| L Number | Hits | Search Text | DB | Time stamp |
|----------|------|--|---------------------|---------------------|
| 4 | 2 | (((701/111,114,115,102.ccls. and ((((knock near2 | USPAT; | 2004/06/28 14:12 |
| | | (detect\$3 or sens\$3))) and piston) and sensors) and | US-PGPUB; | |
| | | signals)) and adjustment) and "knock detection") and | JPO; | |
| _ | _ | adjust\$3 and cylinders | DERWENT | |
| 5 | 6 | 5206809.URPN. | USPAT | 2004/06/28 14:07 |
| 6 | 2 | 5206809.URPN. and ((cylinder or cylinders) near2 | USPAT; | 2004/06/28 14:14 |
| | | ((sensor or sensors) or detect\$3)) | US-PGPUB; | |
| | | | JPO; | |
| | _ | | DERWENT | |
| 7 | 2 | (5206809.URPN. and ((cylinder or cylinders) near2 | USPAT; | 2004/06/28 14:51 |
| | | ((sensor or sensors) or detect\$3))) and (knock or | US-PGPUB; | |
| | | vibration or shock) | JPO; | |
| 0 | | (704/\$ and and (((()))) and | DERWENT | 0004/06/00 44-04 |
| 8 | 0 | (701/\$.ccls. and (((((knock near2 (detect\$3 or | USPAT; | 2004/06/28 14:21 |
| | | sens\$3))) and piston) and sensors) and signals)) and | US-PGPUB; | |
| | | adjust\$4 and (sens\$3 near2 cylind\$3) and (full adj load) | JPO; DERWENT | |
| 9 | 13 | | | 2004/06/20 44-64 |
| 9 | 13 | (701/\$.ccls. and (((((knock near2 (detect\$3 or sens\$3))) and piston) and sensors) and signals)) and | USPAT; US-PGPUB; | 2004/06/28 14:51 |
| | | adjust\$4 and (sens\$3 near2 cylind\$3) and (load) | JPO; | |
| | | aujusto4 and (sensos near 2 cynnuos) and (load) | DERWENT | |
| 10 | 2 | ((701/\$.ccls. and (((((knock near2 (detect\$3 or | USPAT; | 2004/06/28 15:04 |
| 10 | _ | sens\$3))) and piston) and sensors) and signals)) and | US-PGPUB; | 2004/00/20 13:04 |
| | | adjust\$4 and (sens\$3 near2 cylind\$3) and (load)) and | JPO; | |
| | | ((first or second) adj signal) | DERWENT | |
| 11 | 7 | ("4979399" "5144846" "5269178" "5571958" | USPAT | 2004/06/28 14:46 |
| • • | • | "5654500" "5675094" "5686672").PN. | 00.7.1 | 200 1100/20 1 11.10 |
| 12 | 2 | (5206809.URPN. and ((cylinder or cylinders) near2 | USPAT; | 2004/06/28 14:53 |
| | - | ((sensor or sensors) or detect\$3))) and (knock near2 | US-PGPUB; | |
| | | (detect\$3 or sens\$3)) | JPO; | |
| | | | DERWENT | |
| 13 | 1 | ((5206809.URPN. and ((cylinder or cylinders) near2 | USPAT; | 2004/06/28 14:53 |
| | | ((sensor or sensors) or detect\$3))) and (knock near2 | US-PGPUB; | |
| | i | (detect\$3 or sens\$3))) and (knock same cylinder) | JPO; | |
| | | | DERWENT | |
| 14 | 7 | ("4444172" "4565087" "5052214" "5206809" | USPAT | 2004/06/28 14:57 |
| | | "5970952" "5979406" "6000276").PN. | | |
| 15 | 2 | (((701/\$.ccls. and (((((knock near2 (detect\$3 or | USPAT; | 2004/06/28 15:05 |
| | | sens\$3))) and piston) and sensors) and signals)) and | US-PGPUB; | |
| | | adjust\$4 and (sens\$3 near2 cylind\$3) and (load)) and | JPO; | |
| | | ((first or second) adj signal)) and adjust\$3 | DERWENT | |
| 16 | 2 | | USPAT; | 2004/06/28 15:06 |
| | | sens\$3))) and piston) and sensors) and signals)) and | US-PGPUB; | |
| | | adjust\$4 and (sens\$3 near2 cylind\$3) and (load)) and | JPO; | |
| | | ((first or second) adj signal)) and adjust\$3) and | DERWENT | |
| | 0577 | (values or variable) | | 0004/00/07 40 00 |
| - | 3577 | (knock near2 (detect\$3 or sens\$3)) | USPAT; | 2004/06/27 13:36 |
| | | | US-PGPUB; | |
| | | | JPO; | |
| | 749 | //knook noor? /dotoot\$? on oone\$?\\\ and nictor | DERWENT | 0004/00/04 45:00 |
| - | 749 | ((knock near2 (detect\$3 or sens\$3))) and piston | USPAT; | 2004/06/24 15:22 |
| a | | | US-PGPUB; JPO; | |
| | | | DERWENT | |
| _ | 577 | (((knock near2 (detect\$3 or sens\$3))) and piston) and | USPAT; | 2004/06/24 45:24 |
| - | 377 | sensors | US-PGPUB; | 2004/06/24 15:24 |
| | | | JPO; | |
| | | | DERWENT | |
| | 2 | ((((knock near2 (detect\$3 or sens\$3))) and piston) and | USPAT; | 2004/06/24 15:23 |
| 1 | | sensors) and (adjustment adj variable) | US-PGPUB; | 2004/00/24 10.20 |
| | | | JPO; | |
| | | | DERWENT | |
| | | | | r i |

| - | 2 | ((((knock near2 (detect\$3 or sens\$3))) and piston) and sensors) and (adjustment adj variables) | USPAT; US-PGPUB; | 2004/06/24 15:23 |
|---|----------|--|---------------------|------------------|
| 1 | İ | | JPO; | į |
| | | | DERWENT | |
| - | 500 | ((((knock near2 (detect\$3 or sens\$3))) and piston) and | USPAT; | 2004/06/24 15:24 |
| | | sensors) and signals | US-PGPUB; | |
| | | oonsol of and signals | JPO: | |
| | | | 1 ' | |
| | 40 | 704/4 1 1//// 1 0/11 100 | DERWENT | 0004/00/04 45 04 |
| • | 48 | 701/\$.ccls. and (((((knock near2 (detect\$3 or | USPAT; | 2004/06/24 15:24 |
| | | sens\$3))) and piston) and sensors) and signals) | US-PGPUB; | |
| | | | JPO; | |
| | | | DERWENT | |
| - | 352 | 123/\$.ccls. and (((((knock near2 (detect\$3 or | USPAT; | 2004/06/24 15:25 |
| | | sens\$3))) and piston) and sensors) and signals) | US-PGPUB; | |
| | | outsquitty and placetty and sensor sy and signalsy | JPO; | |
| | | | | |
| | 4.45 | (400/4) 1//// 1 0 0 / 1 1 10 | DERWENT | 0004/00/04 45 05 |
| - | 145 | (123/\$.ccls. and (((((knock near2 (detect\$3 or | USPAT; | 2004/06/24 15:25 |
| | | sens\$3))) and piston) and sensors) and signals)) and | US-PGPUB; | |
| | | adjustment | JPO; | |
| | | | DERWENT | |
| - | 14 | (701/\$.ccls. and (((((knock near2 (detect\$3 or | USPAT; | 2004/06/24 15:55 |
| | | sens\$3))) and piston) and sensors) and signals)) and | US-PGPUB; | |
| | 1 | adjustment | JPO; | |
| | | adjustment | | |
| - | | | DERWENT | |
| - | 22 | ((123/\$.ccls. and (((((knock near2 (detect\$3 or | USPAT; | 2004/06/24 15:28 |
| | | sens\$3))) and piston) and sensors) and signals)) and | US-PGPUB; | |
| | | adjustment) and "knock detection" | JPO; | |
| | | | DERWENT | |
| - | 19 | (((123/\$.ccls. and (((((knock near2 (detect\$3 or | USPAT; | 2004/06/27 13:36 |
| | '' | sens\$3))) and piston) and sensors) and signals)) and | US-PGPUB; | 2004/00/21 10:00 |
| | | | | |
| | | adjustment) and "knock detection") and adjust\$3 | JPO; | |
| | | | DERWENT | |
| • | 37 | (701/\$.ccls. and (((((knock near2 (detect\$3 or | USPAT; | 2004/06/28 14:20 |
| | | sens\$3))) and piston) and sensors) and signals)) and | US-PGPUB; | |
| | | adjust\$4 | JPO; | |
| | | | DERWENT | |
| - | 14 | ((701/\$.ccls. and (((((knock near2 (detect\$3 or | USPAT; | 2004/06/24 15:34 |
| | | sens\$3))) and piston) and sensors) and signals)) and | US-PGPUB; | |
| | - | adjustment) and ((701/\$.ccls. and ((((knock near2 | JPO; | |
| | | (detect\$3 or sens\$3))) and piston) and sensors) and | DERWENT | |
| | | | DEKWENT | |
| | 1.0 | signals)) and adjust\$4) | | |
| • | 10 | 5335744.URPN. | USPAT | 2004/06/24 15:32 |
| - | 1741 | 123/406.16,406.21,406.29,406.34-406.39.ccls. | USPAT; | 2004/06/24 15:55 |
| | | | US-PGPUB; | |
| | | | JPO; | |
| | <u> </u> | | DERWENT | |
| _ | 654 | ((knock near2 (detect\$3 or sens\$3))) and | USPAT; | 2004/06/24 15:55 |
| , | | 123/406.16,406.21,406.29,406.34-406.39.ccls. | US-PGPUB; | |
| | 1 | 1.20, 100, 100, 100, 100, 100, 100, 100, 1 | JPO; | |
| : | 1 | | | |
| | 100 | ///lunnals and /data at the desired the de | DERWENT | 0004/00/04 15 55 |
| - | 190 | (((knock near2 (detect\$3 or sens\$3))) and | USPAT; | 2004/06/24 15:56 |
| | | 123/406.16,406.21,406.29,406.34-406.39.ccls.) and | US-PGPUB; | |
| | | adjust\$4 | JPO; | |
| | | | DERWENT | |
| - | 52 | ((((knock near2 (detect\$3 or sens\$3))) and | USPAT; | 2004/06/27 12:39 |
| | | 123/406.16,406.21,406.29,406.34-406.39.ccls.) and | US-PGPUB; | , |
| | | adjust\$4) and piston and sensors | JPO; | |
| | | aujusty 7 anu piston anu sensons | | |
| | | //// | DERWENT | 0004/00/55 :0 55 |
| - | 4 | ((((knock near2 (detect\$3 or sens\$3))) and | USPAT; | 2004/06/27 12:39 |
| | | 123/406.16,406.21,406.29,406.34-406.39.ccls.) and | US-PGPUB; | |
| | | adjust\$4) and piston and (cylinders near3 sensors) | JPO; | |
| | | | DERWENT | |
| - | 1620 | 701/111,114,115,102.ccls. | USPAT; | 2004/06/27 13:36 |
| | | | US-PGPUB; | |
| | | | JPO; | |
| | | | | |
| | 1 | | DERWENT | |

| | 4000 | 70/440 4 447 0 | LICDAT | 2004/06/27 13:36 |
|---|------|---|-------------|------------------|
| - | 1938 | 73/118.1,117.2.ccls. | USPAT; | 2004/06/27 13:36 |
| | | | US-PGPUB; | |
| | | | JPO; | |
| | | ///=0.4/4.4.4.4.5.4.00 1.///// 1 | DERWENT | 0004/00/00 44.07 |
| - | 2 | (((701/111,114,115,102.ccls. and ((((knock near2 | USPAT; | 2004/06/28 14:07 |
| | | (detect\$3 or sens\$3))) and piston) and sensors) and | US-PGPUB; | |
| | | signals)) and adjustment) and "knock detection") and | JPO; | |
| | | adjust\$3 | DERWENT | |
| - | 6 | 5206809.URPN. | USPAT | 2004/06/27 13:37 |
| - | 5 | ("4538454" "4622939" "4802454" "4905648" | USPAT | 2004/06/27 13:37 |
| | _ | "4976241").PN. | | |
| - | 2 | (((73/118.1,117.2.ccls. and ((((knock near2 (detect\$3 | USPAT; | 2004/06/28 10:54 |
| | | or sens\$3))) and piston) and sensors) and signals)) | US-PGPUB; | |
| | | and adjustment) and "knock detection") and adjust\$3 | JPO; | |
| | | | DERWENT | |
| - | 3 | 5495774.URPN. | USPAT | 2004/06/27 13:37 |
| - | 11 | ("2912642" "4503714" "4566338" "4589290" | USPAT | 2004/06/27 13:37 |
| | | "4803885" "4939937" "4979399" "5269178" | | |
| | | "5287735" "5323659" "5351555").PN. | | |
| - | 7 | 5313826.URPN. | USPAT | 2004/06/27 13:38 |
| - | 2 | ("4589290" "4803885").PN. | USPAT | 2004/06/27 13:38 |
| - | 2 | (((73/118.1,117.2.ccls. and ((((knock near2 (detect\$3 | USPAT; | 2004/06/28 10:57 |
| | | or sens\$3))) and piston) and sensors) and signals)) | US-PGPUB; | |
| | | and adjustment) and "knock detection") and | JPO; | |
| | | measurement | DERWENT | |
| - | 20 | (knock adj detect\$3) near2 adjust\$3 | USPAT; | 2004/06/28 10:57 |
| | | | US-PGPUB; | |
| | | | JPO; | |
| | | | DERWENT | |
| - | 23 | (knock adj detect\$3) near2 adjust\$4 | USPAT; | 2004/06/28 10:57 |
| | | • | US-PGPUB; | |
| | | | JPO; | η. |
| | | | DERWENT | |
| - | 20 | ((knock adj detect\$3) near2 adjust\$3) and ((knock adj | USPAT; | 2004/06/28 10:58 |
| | | detect\$3) near2 adjust\$4) | US-PGPUB; | |
| | | · | JPO; | |
| | | | DERWENT | |
| - | 10 | (((knock adj detect\$3) near2 adjust\$3) and ((knock | USPAT; | 2004/06/28 10:58 |
| | | adj detect\$3) near2 adjust\$4)) and cylinders | US-PGPUB; | |
| | | | JPO; | |
| | | | DERWENT | |
| _ | 2 | (((knock adj detect\$3) near2 adjust\$3) and ((knock | USPAT; | 2004/06/28 10:58 |
| | _ | adj detect\$3) near2 adjust\$4)) and (sensors near3 | US-PGPUB; | |
| | | cylinders) | JPO; | |
| | | | DERWENT | |
| | L | | J CINTILITY | l |